

What Is Claimed:

1. A light duty liquid dishwashing composition with suspended nanoparticles of zinc oxide which comprises approximately by weight:
  - (a) 2% to 12% of an alkali metal or ammonium salt of a C<sub>8</sub>-18 ethoxylated alkyl ether sulfate surfactant and/or a C<sub>8</sub>-18 alkyl sulfate surfactant;
  - (b) 10% to 30% of an alkaline earth metal or alkali metal salt of an anionic C<sub>9</sub>-C<sub>18</sub> alkyl benzene sulfonate surfactant;
  - (c) 0.5% to 10% of an alkyl polyglucoside surfactant;
  - (d) 0 to 10% of at least one solubilizer;
  - (e) 1% to 12% of an amine oxide;
  - (f) 0.01% to 1% of said solid nanoparticles of said zinc oxide of a particle size ranging between 10 and 30 nm;
  - (g) the balance being water.
2. The composition of Claim 1, wherein said at least one solubilizer is selected from the group consisting of sodium, potassium, ammonium salts of cumene, xylene, toluene sulfonates, isopropanol, ethanol, glycerol, ethylene glycol, diethylene glycol and propylene glycol and mixtures thereof.
3. The composition of Claim 1, wherein said solubilizer is sodium xylene sulfonate and ethanol.
4. The composition of Claim 2, further including a magnesium inorganic acid.
5. A cleaning composition for all purpose cleaners, light duty liquids, shampoos such as hair cleaning, foam baths, liquid hand soaps, and shower gels which comprises approximately by weight:
  - (a) 1% to 50%, more preferably 2% to 40% of at least one surfactant selected from the group consisting of sulfonated anionic surfactants, sulfated anionic surfactants, zwitterionic surfactants, C<sub>12</sub>-C<sub>14</sub> alkanol amide surfactants, amine oxide surfactants, ethoxylated nonionic surfactants, ethoxylated/propoxylated nonionic surfactants and alkyl polyglucoside surfactants and mixtures thereof;
  - (b) 0.5% to 10%, more preferably 1% to 8% of at least one solubilizer;

- (c) 0.01% to 1%, more preferably 0.03% to 0.5% of Nano-particulates of zinc oxide which function as an anti-irritant system for the surfactants; and
- (d) the balance being water.